

GENERAL NOTES

Layout of riprap may be varied in the field to suit ground conditions as directed by the Engineer.

The Contractor shall drive test piles to 110% of the nominal

required bearing specified in production locations at West Abutment and Pier 1 or approved by the Engineer before ordering the

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework in addition to

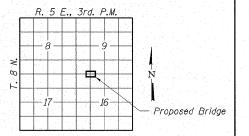
allowance for dead load deflection.

Protective Coat shall be applied to the entire top surface and edges of the bridge deck, extended pier & abutment caps, and front face of wingwalls. See Sheet 17 for Borings.

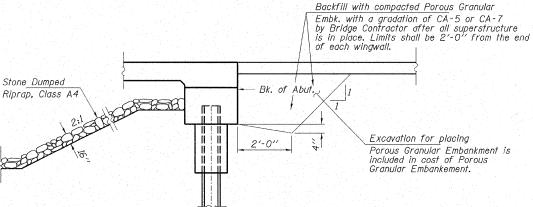
SECTION COUNTY F.A.S. 1706 00-00080 EFFINGHAM 17 -00-BR FED. ROAD DIST. NO. ILLINOIS CONTRACT NO. 95524

LAKE SARA BUILT 200_ BY EFFINGHAM COUNTY SEC. 00-00080-00-BR COUNTY HIGHWAY 6 F.A. PROJ. BRS-1706(104) STR. NO. 025-3222 LOADING HS 20

NAME PLATE See Std. 515001



LOCATION SKETCH



TOTAL BILL OF MATERIAL

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Porous Granular Embankment	Ton	A. A. L. S.	50	50
Stone Dumped Riprap, Class A4	Ton		100	550
Slope Wall Removal	Sq. Yd.			645
Concrete Structures	Cu. Yd.		29.1	29.1
Concrete Superstructures	Cu. Yd.	93.1		93.1
Bridge Deck Grooving	Sq. Yd.	247		247
Concrete Encasement	Cu. Yd.		25.8	25.8
Protective Coat	Sq. Yd.	290		. 290
Reinforcement Bars, Epoxy Coated	Pound	23,350	6,170	29,520
Bar Splicers	Each		40	40
Steel Bridge Rail, Type SM	Foot	156		156
Steel Piles HP10x42	Foot	13/15/15	820	820
Test Pile Steel HP10x42	Each		2	2
Name Plates	Each		1	1
Underwater Structure Excavation Protection - Loc. 1	Each		1	1
Underwater Structure Excavation Protection - Loc. 2	Each		1	1

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400

SECTION A-A

Note: See Special Provisions for Stone Dumped Ripap, Class A4.

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PROJECT NUMBER: 12-33-0004-i DATE: 11/07/07 DESIGNED: R.J.P. CHECKED: S.W.M. DRAWN: D.A.B.

GENERAL PLAN AND ELEVATION F.A.S. 1706 / C.H. 6 OVER LAKE SARA SECTION 00-00080-00-BR EFFINGHAM COUNTY

STRUCTURE NO. 025-3222 / STATION 10+00



Expires 11-30-08

Sturm W Megginson 11/12/07 ILLINOIS STRUCTURAL NO. 081-6064

Bridges".

Drainage Area = 3.3 Sq. Mi. Low Grade Elev. 588.4 © Sta. 9+00									
Flood	Freq.	Q	Opening	Sq. Ft.	Natural	Head	- Ft.	Headwo	ater El.
	Yr.	C.F.S.	Exist.						
Design	20	1,100	370	450	585.0°	0.0	0.0	585.0	585.0
Base	11.0	100		100		4.1			
Overtopping	14.7		200			1.1		100	
Max. Calc.	100	1,640	440	540	586.5 [©]	0.0	0.0	586.5	586.5

Loading HS 20-44
Design Specifications: 2002 AASHTO & all applicable interims.
50#/Sq. Ft. included in dead load for future wearing surface.

O Water level of the lake is controlled by the dam spillway